

10/58494

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/075802 A1**

(51) International Patent Classification<sup>7</sup>: **F02D 35/02**,  
G01M 15/00

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(21) International Application Number:  
PCT/JP2005/002188

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(22) International Filing Date: 8 February 2005 (08.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2004-32950 10 February 2004 (10.02.2004) JP

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

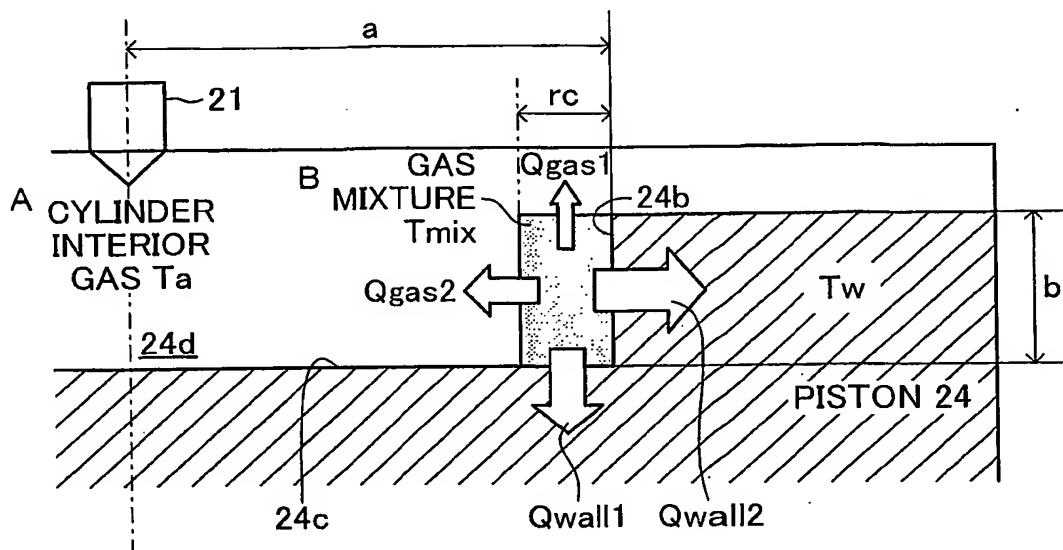
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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: METHOD OF ESTIMATING TEMPERATURE OF GAS MIXTURE FOR INTERNAL COMBUSTION ENGINE



(57) Abstract: In a gas mixture temperature estimation method for an internal combustion engine, before a forefront portion of a gas mixture reaches an inner wall surface of the combustion chamber, the gas mixture temperature is calculated in accordance with a predetermined equation which is based on the assumption that no heat exchange occurs between the gas mixture and cylinder interior gas which exists around the gas mixture without mixing with fuel. After the gas mixture forefront portion reaches the inner wall surface of the combustion chamber, the gas mixture temperature calculated in accordance with the equation is corrected in consideration of the quantity of heat transfer between the gas mixture and the cylinder interior gas and the quantity of heat transfer between the gas mixture and the wall.

WO 2005/075802 A1